

**Claims:**

1. Solution for colouring ceramic framework, comprising:
  - a) a metal salt,
  - b) polyethylene glycol having a Mn in the range of about 1.000 to about 200.000,
  - c) a solvent
  - d) optionally a stabilizer,
- wherein the polyethylene glycol is present in an amount of about 0,5 to about 10 % by weight of the total composition.
2. Solution according to claim 1, wherein the polyethylene glycol has a viscosity of a aqueous polyethylene glycol solution (6 % by weight of polyethylene glycol 35.000 (Mn = 14.000 to 19.000) at 23°C.
3. Solution according to anyone of the preceding claims, wherein the metal salt is selected from rare earth elements and/or of the subgroups of the rare earth elements and/or salts of transition metals of the groups IIIA, IVA, VA, VIA, VIIA, VIIIA, IB, IIB.
4. Solution according to anyone of the preceding claims, wherein the metal salt is present in an amount of about 1 to about 5,0 % by weight of the total composition.
5. Solution according to anyone of the preceding claims, wherein the solvent comprises water, methyl alcohol, ethyl alcohol, iso-propyl alcohol, n-propyl alcohol, acetone, glycol, glycerol alone or in admixture.
6. Process for obtaining a coloured ceramic framework, comprising the steps
  - a) providing a ceramic framework

- b) providing a solution as described in anyone of the preceding claims.
- c) treating the ceramic framework with the solution of b)
- d) optionally drying the treated ceramic framework
- e) firing the treated ceramic framework.

- 5 7. Process according to claim 6, wherein the firing takes place at a temperature above about 1300 °C.
8. Ceramic framework, treated with a solution as described in anyone of claims 1 to 5.
9. Ceramic framework, obtainable from a process as described in anyone of  
10 claims 6 to 7.
10. Ceramic framework according to claim 8 or 9 comprising  $ZrO_2$  or  $Al_2O_3$ .
11. Ceramic framework according to claim 10, wherein the ceramic is presintered and adsorbent.
12. Use of a solution comprising a) a metal salt, b) polyethylene glycol in an  
15 amount of about 0,5 to about 10 % by weight of the total composition and c) a solvent as described in anyone of the claims 1 to 5 for treating a ceramic framework.
13. Use of a solution comprising a) a metal salt, b) polyethylene glycol in an  
20 amount of about 0,5 to about 10 % by weight of the total composition and c) a solvent as described in anyone of the claims 1 to 5 for reducing the sintering deformation of ceramic framework during firing.